

In the Specification

Please replace paragraph [0033] with the following amended paragraph:

First set of teeth 106 of comb 102 extend in a direction, indicated by arrow 110, and second set of teeth 108 of comb 102 extend in another direction, indicated by arrow 112, generally transverse to direction 110. In this regard, the second set of teeth has a height greater than that of the first set of teeth. As such, the second set of teeth defines a recess sized to snugly receive an indexing pin 100. Moreover, the spacing between the adjacent teeth of the first set of teeth and the second set of teeth is uniform. This opening defines the direction or gap between the collimator plates. That is, when positioning the collimator plate 104, teeth 106, 108 are used to achieve a uniform alignment and spacing. Plates 104 are generally aligned with the scintillators in order to minimize x-ray cross-talk. It is understood that plates 104 could be constructed to substantially match the construction of different scintillator constructions. These constructions include, but are not limited to, scintillators having generally cellular constructions. Moreover, the collimator plates may extend along the x-axis, z-axis, or both. It is noted that the first set of teeth 106, by extending in direction 110, do not obstruct or interfere with the engagement of indexing pin 100 with second set of teeth 108. Collimator 103 is positioned between detector 20 and x-ray source 16-14 such that plates 104 are aligned with the scintillators 57 of the scintillator array 56. As such, comb 102 not only defines the spacing between adjacent plates 104, but also aligns the collimator and the scintillator. Although shown as a one-dimensional collimator, it is understood that collimator 103 could be constructed to be a two-dimensional collimator and therefore extend across the scintillator module in both the x and z-directions. Also, while only one comb 102 is shown, it is contemplated that a second comb may also be used to align the collimator plate and scintillator array at each respective end thereof. As such, the scintillator pack may include two indexing pins, aligned with one another, but at opposite ends of the module.